

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-49 (Cancelled).

Claim 50 (Currently Amended): A method for carrying out a hands-free communication comprising:

establishing a respective connection from each of a plurality of telecommunication terminals to a service server over at least one communication network;

loading, at least temporarily, at least one program from the service server into at least one of the plurality of telecommunication terminals, the at least one program being configured to implement a speech processing algorithm for processing a digitized speech signal[[s]] including speech data in digitized form;

implementing, in the at least one of the plurality of telecommunication terminals, the at least one program for use at least for a duration of a communication connection to process [[a]] the digitized speech signal so as to increase a speech recognition quality of the speech data; and

transmitting the processed speech signal over the at least one communication network.

Claim 51 (Previously Presented): The method as recited in claim 50 wherein the plurality of telecommunication terminals are mobile telecommunication terminals.

Claim 52 (Previously Presented): The method as recited in claim 50 wherein the speech processing algorithm includes at least one of a hands-free, an echo cancellation, a speaker verification, a speaker recognition, a speaker classification, a voice verification, a voice recognition, a text-to-speech and a noise reduction algorithm.

Claim 53 (Previously Presented): The method as recited in claim 50 further comprising establishing, over the at least one communication network, a connection between the at least one of the plurality of telecommunication terminal terminals and a server-based speech recognition system.

Claim 54 (Canceled).

Claim 55 (Previously Presented): The method as recited in claim 50 wherein the connection between the service server and the at least one of the plurality of telecommunication terminals is established via an interposed server-based speech recognition system.

Claim 56 (Previously Presented): The method as recited in claim 50 wherein the connection is established between the service server and the at least one of the plurality of telecommunication terminals in response to an automatic or user-defined request signal by the at least one of the plurality of telecommunication terminals.

Claim 57 (Previously Presented): The method as recited in claim 50 wherein the connection is established between the service server and the at least one of the plurality of telecommunication terminals in response to a request signal of a server-based speech recognition system.

Claim 58 (Previously Presented): The method as recited in claim 50 wherein the connection is established between the service server and the at least one of the plurality of telecommunication terminals using respectively assigned identifiers.

Claim 59 (Previously Presented): The method as recited in claim 58 wherein the respectively assigned identifiers include at least one of a CLI, an ANI and an HLR.

Claim 60 (Previously Presented): The method as recited in claim 50 further comprising transmitting further signals during the communication connection.

Claim 61 (Previously Presented): The method as recited in claim 60 wherein the further signals include at least one of test signals, compensation signals, charging signals, identification parameters, and vector signals.

Claim 62 (Previously Presented): The method as recited in claim 50 further comprising selecting the speech processing algorithm using at least one of a speech recognition system, the service server, and the at least one of the plurality of telecommunication terminals.

Claim 63 (Previously Presented): The method as recited in claim 50 further comprising loading the at least one program again during the communication connection.

Claim 64 (Previously Presented): The method as recited in claim 50 further comprising:
updating the at least one program; and

loading, at least temporarily, the updated at least one program into the at least one of the plurality of telecommunication terminals during the communication connection.

Claim 65 (Previously Presented): The method as recited in claim 50 further comprising transmitting, by the at least one of the plurality of telecommunication terminals, at least one of a specific identification parameter and a charging parameter for further processing by a device associated with at least one of a speech recognition system and the service server.

Claim 66 (Previously Presented): The method as recited in claim 50 further comprising calibrating, by the at least one of the plurality of telecommunication terminals, at least one of an A/D conversion and a D/A conversion.

Claim 67 (Previously Presented): The method as recited in claim 66 wherein the calibrating is performed at least one of once during the communication connection, continuously, and digitally.

Claim 68 (Previously Presented): The method as recited in claim 66 wherein the calibrating is performed using a compensation signal, the compensation signal being at least one of the speech signal and a test signal.

Claim 69 (Previously Presented): The method as recited in claim 67 further comprising performing a procedure for locating a speech source.

Claim 70 (Previously Presented): The method as recited in claim 69 wherein the performing the procedure for locating the speech source is performed for a multi-channel processing of at least two microphone signals.

Claim 71 (Previously Presented): The method as recited in claim 69 wherein the performing the procedure for locating the speech source is performed so as to achieve a noise reduction.

Claims 72-88 (Cancelled).

Claim 89 (Previously Presented): The method as recited in claim 62 wherein the speech processing algorithm is selected in response to identification parameters associated with the telecommunication terminal.

Claim 90 (Previously Presented): The method as recited in claim 62 wherein the speech processing algorithm is selected in response to a current environment associated with the telecommunication terminal.